

CHEM-TREND INCORPORATED  
MATERIAL SAFETY DATA SHEET  
EMERGENCY TELEPHONE NO. 517-546-4520DPM 60226  
SECTION I

PRODUCT NAME OR NUMBER: SAFETY-COOL 822C

MANUFACTURER'S NAME: CHEM-TREND INCORPORATED

ADDRESS: 1445 McPherson Park Dr., P.O. Box 860, Howell, MI 48844-0860

PROPER SHIPPING NAME(49 CFR 172.101): Not regulated

HAZARD CLASS(49 CFR 172.101): Not regulated

HAZARD ID NUMBER: Not applicable

CHEMICAL FAMILY: Water solution of functional chemicals

Industrial Hygiene  
NOV 01 1988

## SECTION II

Blend of corrosion inhibitors  
and lubricity additives

30-45%

Biocide

1.0%

Diethanolamine

5-10% TLV\*: 3ppm (ACGIH)

Water

Balance

\*TLV means Threshold Limit Value. " This refers to airborne concentrations of substances and represent conditions under which believed that nearly all workers may be repeatedly exposed day after day without adverse effect."

## SECTION III TYPICAL PHYSICAL DATA NOT TO BE CONSIDERED SPECIFICATIONS

|                             |  |
|-----------------------------|--|
| BOILING POINT (initial):    | approx. water                                      |
| SPECIFIC GRAVITY:           | 1.03   |
| VAPOR PRESSURE (mm Hg):     | approx. water                                      |
| VAPOR DENSITY (air=1):      | approx. water                                      |
| EVAPORATION RATE (ether=1): | approx. 1  |
| PERCENT VOLATILE BY WEIGHT: | 55-65  |
| SOLUBILITY IN WATER:        | Miscible   |
| pH:                         | Concentrate - 8.9 - 9.3<br>5% dilution - 8.6 - 9.0 |
| APPEARANCE AND ODOR:        | Clear yellow liquid; bland odor                    |

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): None

FLAMMABLE LIMITS IN AIR, % BY VOLUME: Lower(lei) Upper(uel)

Not applicable

EXTINGUISHING MEDIA: Fire and heat may drive off water leaving chemical ingredients which may burn.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fire fighting in a confined space.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

CONTAINER HANDLING: Do not cut or weld empty drums unless they are thoroughly cleaned.

MSDS NUMBER 2155.3

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REVISED 10/1/87

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#### SECTION V HEALTH HAZARD DATA

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THRESHOLD LIMIT VALUE: Not established for the product. See section II.

LISTED CARCINOGEN (NTP, IARC OR OSHA): This product does not contain any listed carcinogens.

#### ROUTES OF EXPOSURE AND ACUTE EFFECTS:

Skin Contact: Concentrate may cause irritation but is not corrosive. Dilutions may cause the skin to dry out.  
Eye Contact: Concentrate may cause irritation, but is not corrosive. Dilutions may cause slight irritation.  
Inhalation: Mists of the concentrate and dilutions may cause respiratory irritation.  
Ingestion: No adverse effects expected. Do not ingest.

CHRONIC EFFECTS: A review of literature does not show obvious long-term hazard.

#### EMERGENCY AND FIRST AID PROCEDURES:

Skin Contact: Wash with soap and water. Launder contacted clothing before reuse.  
Eye Contact: Flush with water for at least 15 minutes. Contact physician.  
Inhalation: If irritation occurs, move to fresh air.  
Ingestion: Contact physician.

Note: The same procedures should be followed for handling either the concentrate or the dilution.

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#### SECTION VI REACTIVITY DATA

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STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY: Store away from strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrocarbon decomposition products at elevated temperatures.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None known

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#### SECTION VII SPILL OR LEAK PROCEDURES

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#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Small Spills: Soak up with absorbent material.  
Large Spills: Dike area to prevent runoff, recover liquid, soak up remaining liquid with absorbent material

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations

RCRA HAZARDOUS WASTE DESIGNATION: This product does not fall under current EPA RCRA definitions of hazardous waste.

CERCLA (Superfund) REPORTABLE QUANTITY: This product does not contain any CERCLA regulated materials.

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#### SECTION VIII SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION: Good industrial hygiene practices recommend that engineering controls (such as local and/or mechanical ventilation) be used to reduce environmental concentrations to the permissible exposure level. Respirators may be used if engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, when they fail and need to be supplemented. If the use of a respirator is necessary use only a MSHA/NIOSH approved air-purifying respirator or an air-purifying respirator.

PROTECTIVE GLOVES: Impervious gloves (such as rubber) when handling the concentrate.

EYE PROTECTION: Safety glasses with side shields or chemical goggles

OTHER PROTECTIVE EQUIPMENT: Appropriate clothing to avoid skin contact

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#### SECTION IX SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep drums and containers of concentrate closed when not in use. Allow to warm to room temperature before dilution.

Do not add any other additive ingredients to the concentrate.

OTHER PRECAUTIONS: None known

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#### SECTION X OTHER HAZARD INFORMATION

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Products closely related to this product have been tested in accordance with techniques specified in the regulations for the enforcement of The Federal Hazardous Substances Act (16 CFR 1500). The tested products are not considered toxic by oral or dermal administration. More complete information is available upon request.

#### ALKANOLAMINE

In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to such compositions.

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APPROVAL: MHB

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